

CLIMATOLOGICAL DATA FOR MARCH, 1912.

DISTRICT No. 12, COLUMBIA VALLEY.

EDWARD A. BEALS, District Editor.

March was a very favorable month in this district for outdoor work of every character. Although the precipitation was only half as much as usual, that which fell came opportunely, and the soil as regards moisture was in the best of condition at the end of the month. Pasturage was good and winter wheat suffered no injury. There were no washouts, floods, or avalanches to interfere with railroad transportation and the country roads were in better condition than usual. The cool weather kept fruit backward as compared with last year in all sections east of the Cascade Mountains, but in southwestern Oregon it was farther advanced, and in northwestern Oregon and western Washington it was about as forward as it was at this season a year ago. The month closed with the agricultural outlook the brightest it has been for many years.

TEMPERATURE.

The average temperature as determined from 276 stations was 37.1° , or 2.2° below the normal. The mean temperatures were lowest in elevated sections of the extreme eastern portion of the district, and were highest west of the Cascade Mountains and in south-central Washington and north-central Oregon. In general the month was mild, there being no marked warm or cold periods, although minimum temperatures were quite low in Montana, Idaho, and Wyoming during the first two decades. In all portions of the district the closing days of the month were warmest. The highest mean temperature was 49.7° , at Huntington, Oreg., and the lowest was 19.1° at Ovando, Mont. The highest temperature recorded was 80° at Huntington, Oreg., on the 13th and 30th and at Gurdane, also in Oregon, on the 27th; the lowest temperature was -24° at Driggs, Idaho, on the 4th.

PRECIPITATION.

The average precipitation as determined from the records of 309 stations was 1.37 inches, or 1.48 inches below the normal. In a few localities the rainfall was above normal, but the excesses were unimportant. The deficiencies were greatest on the western slope of the Coast Range of Mountains in Oregon and Washington. On the 4th and 5th, 8th to 10th, 13th, 21st to 27th, and on the 31st, only local showers occurred, but from the 14th to 18th the precipitation was quite general and the greater portion of the month's rainfall occurred during this period. The greatest monthly amount recorded was 10.96 inches at Happy Home, Oreg., in the Umpqua drainage area, and no precipitation occurred at Wahluke, Wash., in the Columbia drainage area.

West of the Cascade Mountains the snowfall was less than the average, but in the Siskiyou Mountains, the higher levels of the Blue Mountains, and in western Montana, Idaho, and western Wyoming the snowfall was gen-

erally moderately heavy. The greatest monthly snowfall reported was 96.5 inches at Musick, Oreg., at an elevation of 5,000 feet. The greatest 24-hour precipitation was 3.90 inches at Musick, Oreg., on the 15th.

THE RIVERS.

The rivers were below the normal for the month and the stages were below those for February. The highest stages on the Willamette occurred on the 1st and from the 16th to 18th. The lowest stages occurred generally on the 14th and 15th. The highest water at Portland was 5.6 feet on the 1st and 18th, and the lowest 2.3 feet on the 26th.

The Columbia and Snake Rivers were from 2 to 5 feet below the normal and averaged about 1 foot lower than the preceding month. They were rising slowly at the close of the month and their highest stages were being reached. The lowest stages on the Snake River occurred from the 5th to 7th, and the lowest on the Columbia occurred from the 15th to the 18th and from the 24th to the 27th. Navigation was impeded considerably by the low stages, and it was not resumed in the Snake River below Lewiston until the 28th.

MISCELLANEOUS PHENOMENA.

High winds were general throughout the district about the middle of the month. Gales were experienced at North Head, Tatoosh Island, and Walla Walla, Wash. Thunderstorms were most frequent in Idaho. They occurred in the southeastern part of the State on the 2d, on the 6th at Boise and vicinity, and on the 27th in the Coeur d'Alenes. Killing frosts were reported at Roseburg, Baker, Walla Walla, Spokane, Tatoosh Island, Port Crescent, and Tacoma, but it is thought that little injury was done, as vegetation was not far advanced. An aurora was observed at Helena, Mont., on the 18th.

THE SEASON'S SNOWFALL; AND SNOWFALL CONDITIONS IN THE MOUNTAINS AT THE HEADWATERS OF THE COLUMBIA RIVER AND ITS TRIBUTARIES AT THE END OF MARCH, 1912.

BRITISH COLUMBIA.

The winter's snowfall averaged less than usual, although on the higher mountains in some localities the season's fall was above normal. The weather has been favorable for solidifying the snow and in some sections a hard crust has formed. The soil has been well conditioned to retain moisture and the ground has absorbed much of the water from melted snow. On the whole, present conditions are considered favorable for the passing away of the snowfall in reasonable time and without much danger of floods, unless a sudden extreme rise in temperature is experienced. (E. Baynes Reed, Superintendent.)

MONTANA.

There was an unusual amount of thawing weather in the upper Columbia watershed during January and February, which greatly reduced the depth of snow. In the valleys and foothills the ground

was generally bare by the latter part of February, and less than the normal amount of snow remained at high altitudes. The deficiency in amount, however, was in a great measure offset by the unusual solidity of the snow. There was a moderately heavy snowfall in the mountain districts during March, which materially increased the depth in the high mountain ranges, from which the late supply of water comes, and the conditions as affecting the late flow are more favorable than at the end of February, when a deficient supply in some streams was indicated. The cold weather in March checked the run-off, and most small streams were unusually low throughout the month. (R. F. Young, Section Director.)

WYOMING.

In general the snow in the mountains of Wyoming is of such depth and in such condition as to promise an abundant supply of water till late in the season. On the Snake River, near Moran, the depth in the mountains ranges from 80 to 120 inches; on the lower tributaries of Snake River observers state that the amount on the ground is greater than it has been in 25 years. Amounts in Yellowstone Park are not so great as they were at the close of February, but observers state that an average flow of water may be expected from that section. (R. Q. Grant, Section Director.)

IDAHO.

The snowfall of the early winter was rather light, but later heavy snow fell in nearly all sections and the depth steadily increased till the close of March. There was sufficient rain and mild weather to settle and pack the snow, but not enough to cause waste. The present prospect is for more than the normal flow of water in most of the streams of the State, and conditions favor slow melting. (Edward L. Wells, Section Director.)

WASHINGTON.

The snowfall of November, December, and January was heavy, while that of February and March was unusually light. The season's fall to the end of March in the mountains was more than that of the preceding winter, but less than that of 1909-10. It is considered about the average seasonal amount. Notwithstanding the mild weather of February and March, the uniformly cold nights prevented heavy run-off from too rapid melting, caused the snow to settle and pack heavily, and left as much as the average amount, or more, on the ground at the end of the month. (G. N. Salisbury, Section Director.)

OREGON.

In November considerable snow fell in the Blue Mountains, and about an average fall occurred in other portions of the State. The December snowfall was heavy in all sections; that of the three succeeding months was rather below normal except in the Blue Mountains, where the February fall materially increased the snow depth. On account of the comparatively mild weather that prevailed generally during the winter the snow settled gradually, and is usually well packed and in a favorable condition for slow melting and a gradual run-off. In nearly all agricultural sections, the ground throughout the winter has been in an exceptionally good condition for retaining the water and most of the melted snow has been absorbed by the soil. At the end of March considerably more than the average amount of snow remained on the ground in the Blue Mountains, and nearly a normal amount in other sections of the State. The indications are for a late flow of water during the coming season in excess of the normal.

TABLE No. 1.—Climatological data for March, 1912. District No. 12, Columbia Valley.

Stations.	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.			
Montana.																				
Anaconda.....	Deer Lodge.....	5,300	10	22.8	-8.9	54	27	-11	2	41	0.88	+0.08	0.25	10.5	10	10	5	16	.....
Butte.....	Silver Bow.....	5,716	17	22.8	-7.5	54	28	-4	2	34	0.80	-0.20	0.24	10.0	7	15	3	13	w.	
Columbia Falls.....	Flathead.....	3,100	16	27.0	-5.9	55	31	-1	1	41	0.34	-0.80	0.11	4.9	4	23	0	8	ne.	
Como * *	Ravalli.....	3,700	3	29.3	.....	61	28	2	4	32	0.62	.....	0.15	21.5	7	15	5	11	.....
East Anaconda.....	Deer Lodge.....	5,500	6	20.8	.....	51	28	-8	2	33	0.52	.....	0.14	8.7	10	5	16	w.	
Fortine.....	Lincoln.....	2,975	6	26.4	.....	63	27	-10	8	47	0.87	.....	0.42	5.8	6	13	9	9	sw.
Hamilton.....	Ravalli.....	3,575	9	31.1	61	28	4	3	33	0.23	0.49	0.11	2.8	6	13	4	14
Hat Creek.....	Powell.....	6,000	2	.....	.....	.....	.....	1.79	.....	.....	0.70	27.3	10	8	10	13	w.	.....	
Haugan.....	Missoula.....	3,150	20	29.2	.....	60	24	-10	4	52	1.13	.....	0.40	14.0	7	15	12	4	w.
Heron.....	Sanders.....	2,261	34.5	.....	.....	66	27	4	3	40	1.51	.....	0.50	7	22	1	8	sw.	
Kalispell.....	Flathead.....	2,965	13	28.0	-5.0	56	28	3	3	36	0.37	-0.71	0.17	1.2	6	17	9	5	nw.	
Libby.....	Lincoln.....	2,055	2	32.2	.....	66	27	0	37	44	0.30	.....	0.10	6.0	5	18	7	6	.....
Lost Creek.....	Deer Lodge.....	5,200	2	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.16	12.0	5	19	2	10	sw.
Missoula.....	Missoula.....	3,223	32	31.6	-3.2	63	28	5	2	39	0.16	-0.88	0.08	7	7	7	7	7	.....
Ophir.....	Powell.....	6,800	3	.....	.....	.....	.....	.....	.....	.....	0.78	.....	0.35	6.0	4	19	7	5	n.
Osvaldo.....	do.....	4,207	12	19.1	-9.4	53	27	-14	14	41	1.58	+0.27	0.30	11.5	12	0	31	0	e.	
Philipsburg.....	Granite.....	5,275	8	19.7	.....	54	31	-14	4	44	1.10	.....	0.30	11.0	4	17	1	4	sw.
Plains.....	Sanders.....	2,475	13	33.0	-3.7	62	27	10	27	37	0.40	-0.11	0.40	5.0	1	20	4	7	sw.	
Pleasant Valley.....	Flathead.....	3,500	4	23.4	.....	59	27	-13	20	46	1.12	.....	0.48	14.0	6	21	0	10	.....
Polson.....	do.....	2,920	4	30.1	.....	56	27	10	67	30	0.64	.....	0.64	1	1	1	1	1	.....
Proctor.....	do.....	2,800	7	29.0	.....	60	31	4	9	37	0.90	.....	0.50	7.0	5	17	0	12b	.....
St. Ignatius.....	Missoula.....	2,700	6	32.3	.....	63	27	9	37	38	0.28	.....	0.07	2.7	6	17	7	7	n.
Saltseee.....	do.....	3,600	7	.....	.....	.....	.....	.....	.....	.....	2.05	.....	0.94	21.0	4	25	0	6	w.
Stevensville.....	Ravalli.....	30.0	.....	.....	.....	.....	.....	3	4	36	0.43	.....	0.24	4.3	2	15	10	6	n.
Thompson Falls.....	Sanders.....	2,462	34.2	.....	.....	63	24	11	37	39	0.69	.....	0.48	9.0	5	11	w.	U.S. Forest Service.	
Willow Glen Stock Farm.....	Deer Lodge.....	5,064	1	23.6	.....	52	23	-16	6	45	.....	.....	.....	14	0	17	sw.	G. E. Luce.	
Wyoming.																				
Afton.....	Uinta.....	6,200	8	25.5	.....	50	18	-12	4	42	1.27	.....	0.30	19.0	12	15	1	15	.....
Alta.....	do.....	7,000	2	22.0	.....	47	28	-15	21	54	1.49	.....	0.29	16.6	8	9	11	11	s.
Bechler River.....	Yellowstone Park.....	5,900	12	23.0	-5.2	47	28	-14	4	45	1.54	-0.28	0.28	15.4	9	13	5	13	sw.	
Bedford.....	Uinta.....	do.....	19.3	.....	44	28	-30	4	49	1.75	.....	0.29	19.5	14	2	1	28	sw.	
Moran.....	Yellowstone Park.....	7,000	6	20.8	.....	48	23	-30	4	56	4.23	.....	0.90	54.0	14	12	4	15	w.
Nevada.																				
San Jacinto.....	Elko.....	7	36.4d	.....	59	31	10 ^a	3	38	.....	.....	.....	.....	.....	10	7	14	sw.	Marriner Browning.
Utah.																				
Standrod.....	Boxelder.....	7	32.1	.....	56	25	10	4	26	1.63	.....	0.40	14.1	12	11	12	8	sw.	T. B. Jones.
Idaho.																				
Albion.....	Cassia.....	4,650	10	36.4	-2.2	61	25	8	4	37	0.77	-0.48	0.17	4.6	6	14	7	10	w.	
Almo.....	do.....	3	.....	.....	.....	.....	.....	.....	.....	.....	0.48	.....	0.17	.....	5	10	15	12	.....
Alpha.....	Boise.....	4,341	21	32.4	-3.1	63	25	0	4	42	.....	.....	.....	.....	21	7	3	e.	
American Falls.....	Oneida.....	3,100	40.2	.....	65	27	14	37	36	2.00	.....	0.45	4.5	12	20	4	7	w.	
Arrow Rock.....	Boise.....	4,503	16	32.0	-3.5	60	28	3	4	35	1.65	+0.05	0.33	10.0	7	9	17	5	sw.	
Blackfoot.....	Bingham.....	6,200	20	30.8	.....	44	26	-17	21	45	1.75	.....	0.33	16.5	9	11	5	15	.....
Blackfoot Dam.....	Bannock.....	3,500	3	.....	.....	.....	.....	.....	.....	.....	1.71	.....	0.53	2.6	9	11	7	11	.....
Bocks Ranch.....	Elmore.....	4,200	4	.....	.....	.....	.....	.....	.....	.....	2.44	.....	0.56	2.90	12	12	15	4	.....
Bogus Creek.....	Boise.....	2,739	27	40.2	-20.0	64	28	18	3	29	1.26	-0.18	0.37	4.4	12	10	7	14	se.	
Bolse.....	Ada.....	1,850	5	33.6	.....	71	31	6	47	42	0.82	.....	0.36	5.0	4	18	8	5	sw.
Bonners Ferry.....	Bonner.....	4,800	3	.....	.....	.....	.....	.....	.....	.....	3.24	.....	0.70	35.0	10	17	8	6	.....
Boulder Mine.....	Boise.....	1,800	3	.....	.....	.....	.....	.....	.....	.....	3.24	.....	0.30	1.0	11	13	11	7	w.
Buhl.....	Twin Falls.....	3,800	5	38.8	.....	67	28	17	21	34	1.23	.....	0.40	3.5	5	15	7	11	w.
Caldwell.....	Canyon.....	2,372	8	41.4	.....	67	28	16	3	38	0.78	.....	0.30	3.5	5	15	7	11	sw.
Camas.....	Fremont.....	4,815	4	24.8	.....	55	28	-5	13	43	0.63	.....	0.23	16.5	6	12	5	14	sw.
Cambridge.....	Washington.....	2,651	16	36.2	-1.5	68	29	4	4	38	1.27	-0.76	0.60	4.5	8	14	6	11	sw.	
Cedar Creek Dam.....	Twin Falls.....	5,220	2	25.1	-3.6	47 ^a	4	-10 ^a	4	57	1.47	.....	0.04	10.5	12	11	7	13	nw.
Chesterfield.....	Bannock.....	5,424	16	25.1	-3.6	47 ^a	4	-10 ^a	4	57	1.47	.....	0.35	12.0	5	5	25	3	sw.
Clarks Fork.....	Bonner.....	2,084	35.1	.....	66	31	9	3	35	1.40	.....	0.35	7.0	8	25	3	3	.....	
Clyde.....	Custer.....	3,059	35.8	.....	64	31	5	4	34	2.50	.....	0.90	.....	9	10	8	13	s.	
Council.....	Adams.....	2,569	4	38.6	.....	70	27	11	11	36	2.27	.....	0.91	5	15	4	12	.....	
Culdesac.....	Latah.....	1,520	4	38.6	.....	70	27	11	11	36	2.27	.....	0.91	17.0	8	15	9	5	sw.
Deary.....	Clearwater.....	2,854	32.2	.....	59	27	1	4	40	1.63	.....	0.42	17.0	8	15	9	5	sw.	
Dent.....	Fremont.....	1,350	6	37.7	.....	71	27	12	4	27	1.77	.....	0.63	9.0	7	17	9	5	sw.
Driggs.....	Canyon.....	6,097	5	20.9	.....	42	27	-24	4	48	1.77	.....	0.63	24.0	8	14	3	14	sw.
Eminett.....	Lemhi.....	2,350	5	40.5	.....	67	29	19	3	37	1.11	.....	0.31	2.5	12	9	15	7	w.
Forney.....	Boise.....	6,000	12	26.4	-5.0	59	28	-11	21	51	1.80	0.00	0.80	7.9	3	8	12	11	n.	
Garden Valley.....	Elmore.....	3,600	4	.....	.....	.....	.....	.....	.....	.....	2.17	.....	0.53	T.	7	10	12	9	.....
Garnet.....	Elmore.....	2,757	13	43.6	-3.0	74	28	21	3	41	1.29	+0.37	0.50	0	5	19	6	6	e.	
Glenns Ferry.....	Lincoln.....	2,569	4	40.8	.....	72	28	14	21	47	1.01	.....	0.32	T.	7	16	8	7	sw.
Gooding.....	Shoshone.....	3,572	3	38.0	.....	67	28	12	21	41	1.06	.....	0.34	3.2	11	11	14	6	w.
Grand Forks.....	Shoshone.....																			

TABLE 1.—*Climatological data for March, 1912. District No. 12—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Idaho—Continued.</i>																					
Little Camas.	Elmore.	5,000	3	23.2	—	51	28	— 18	4	51	1.96	— 0.30	24.9	13	5	13	13	w.	Solon McCoy.		
Loon Creek.	Custer.	6,000	3	23.2	—	56	31	4	3	30	0.37	— 0.21	17.6	10	11	8	12	.....	Mrs. Mary Williams.	
Mackay.	do.	5,897	5	27.5	—	67	28	17	3	40	1.33	— 0.22	7.0	6	23	2	6	nw.	U. S. Forest Service.		
Meridian.	Ada.	2,657	2	40.4	—	60	18	10	4	40	0.61	— 0.34	2.8	14	9	10	12	nw.	A. W. Garrett.		
Mesa.	Adams.	3,275	2	34.0	—	68	27 ^a	20 ^c	4	36 ^b	—	— 0.53	—	2	15	0	16	n.	I. S. Carter.		
Middle Fork.	Idaho.	1,397	2	41.8	—	63	28	15	3	35	1.25	— 0.31	8.0	11	11	15	5	w.	Jos. McGhee.		
Milner.	Twin Falls.	4,110	8	37.2	—	60	28	9	3	26	1.17	— 0.76	0.50	6.0	6	17	1	13	se.	James K. Young.	
Moscow.	Latah.	2,748	20	34.0	— 3.7	69	28	14	21	42	1.40	— 0.36	3.5	9	9	9	13	.....	University of Idaho.	
Mountainhome.	Elmore.	3,150	7	38.0	—	65 ^a	28	13 ^a	4	39 ^b	0.77	— 0.23	3.0	6	6	6	6	w.	Mrs. Ellen Marion.		
Murtaugh.	Twin Falls.	6	34.8 ^a	—	65 ^a	28	13 ^a	4	39 ^b	0.77	—	—	—	—	—	—	—	—	J. E. Steinour.		
New Meadows.	Adams.	3,950	8	31.8	—	58	31	4	4	32	2.06	— 0.80	6	17	5	9	9	.....	P. G. Williams.	
Nezperce.	Lewis.	3,082	3	31.8	—	65 ^a	24	12	21	40	0.34	— 0.45	0.20	1.0	4	9	22	0	P. Mitchell.		
Oakley.	Cassia.	4,700	19	36.2	— 2.3	65 ^a	24	12	21	40	0.34	—	—	—	—	—	—	—	John Adams.		
O'Hara Bar.	Idaho.	1,557	2	39.6 ^a	—	65 ^a	27 ^a	15 ^d	4	40	1.76	—	—	—	—	—	—	—	J. D. Agnew.		
Orofino.	Clearwater.	1,027	2	39.6	—	69	27	15	4	40	1.76	—	0.41	3.5	8	10	18	3	Geo. Alteneder.		
Payette.	Canyon.	2,159	22	39.6	— 2.8	67	27	9	23	53	0.73	— 0.52	2.7	2.0	6	8	13	n.	F. F. Allen.		
Pebble.	Bannock.	5,277	3	27.2	—	48	28	0	22	41	2.68	—	0.58	28.0	13	14	7	10	sw.	Mrs. Fannie Say.	
Pierson.	Custer.	7,000	2	20.7	—	60	24	— 22	4	61	2.04	—	0.81	15.0	5	20	2	9	s.	David P. Clarke.	
Pine.	Elmore.	4,100	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. Jennie Potter.		
Pleasant Valley.	Ada.	3,000	5	38.7	—	66	28	13	3	37	0.99	—	0.21	1.5	13	13	5	13	se.	C. E. Friedrich.	
Pocatello.	Bannock.	4,483	13	34.5	— 2.4	59	25	6	4	31	1.13	— 0.62	0.51	8.5	13	7	11	13	nw.	U. S. Weather Bureau.	
Pocatello Nursery.	do.	5,396	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	P. T. Wrensted.		
Poplar.	Bonneville.	5,500	2	28.2	—	50	25 ^a	— 2	21	42	1.40	—	0.40	13.0	7	14	11	6	s.	C. M. Lawrence.	
Porthill.	Bonner.	1,665	23	33.2	— 1.6	58	25 ^a	8	8	32	1.10	— 0.25	0.38	12.0	6	23	2	6	.....	H. A. French.
Powers Ranch.	Boise.	4,300	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. Mary French.		
Priest River Experimentation Station No. 1.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. R. Brewster.		
Priest River Experimentation Station No. 2.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.		
Priest River Experimentation Station No. 3.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.		
Pyle Creek.	Boise.	3,100	3	—	—	—	—	—	—	—	—	2.29	— 0.74	6.9	9	16	6	9	s.	P. V. Smith.	
Rattlesnake Creek.	Elmore.	4,000	3	—	—	—	—	—	—	—	—	2.02	— 0.60	6.0	12	13	8	10	.....	Richard M. Green.
Richfield.	Lincoln.	4,306	3	35.0	—	63	25	15	21	38	1.03	— 0.26	4.5	8	12	15	4	nw.	Idaho Irrigation Co.		
Roseberry.	Boise.	4,872	1	21.8	—	50	27	— 22	4	54	1.67	—	0.75	24.5	10	12	15	4	n.	Dr. Wallace Johnson.	
Roseworth.	Twin Falls.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. B. Hartwell.		
Ruby Creek.	Boise.	4,400	3	—	—	—	—	—	—	—	—	2.95	— 0.75	22.2	11	13	5	13	w.	O. A. Hatter.	
Rupert.	Lincoln.	4,204	6	36.4	—	64	26	11	4	41	1.00	—	0.30	2.5	10	14	7	10	.....	Will Parry.
St. Maries.	Kootenai.	2,263	15	35.1	— 4.4	61	27	6	10	41	1.01	— 1.51	0.41	2.2	7	14	8	9	nw.	J. S. Turnbull.	
Salmon.	Lemhi.	4,040	7	22.8	—	48	30	— 15	4	35	0.50	—	0.32	6.8	4	16	15	15	nw.	B. C. d'Easum.	
Sandpoint.	Bonner.	2,086	2	34.4	—	64	27	10	31	38	0.81	—	0.43	5.0	4	18	7	7	n.	J. H. Edgerton.	
Sheep Hill.	Boise.	5,000	3	—	—	—	—	—	—	—	—	3.13	— 0.90	18.8	12	—	—	—	—	Clifford M. Gardner.	
Shoshone.	Lincoln.	3,968	4	36.0 ^a	—	64 ^a	28	17 ^a	21	40 ^a	1.88	—	0.81	1.5	5	8	8	8	w.	Zell Truman.	
Silver City.	Owyhee.	6,280	5	—	—	—	—	—	—	—	—	1.41	— 0.32	17.0	16	7	14	14	s.	A. D. Bradfield.	
Smith Prairie.	Elmore.	5,200	3	—	—	—	—	—	—	—	—	1.99	— 0.47	12.7	6	—	—	—	—	Wm. W. Newell.	
Soldier Creek.	Blaine.	5,755	2	29.0 ^b	—	52 ^a	19 ^a	— 3b	3	46 ^b	—	—	0.53	— 0.75	22.2	11	13	5	13	aw.	J. E. Minear.
Spirit Lake.	Kootenai.	2,560	2	34.8	—	68	26	5	4	47	1.47	—	0.95	7.1	7	24	ne.	M. C. Krause.			
Springfield.	Bingham.	4,420	4	37.4	—	60	25	10	4	47	0.73	—	0.20	8.5	7	1	1	1	sw.	Mrs. W. A. Edwards.	
Sugar.	Fremont.	5	23.9	—	50	24	— 12	4	47	1.73	—	0.56	16.5	8	10	—	—	sw.	Utah-Idaho Sugar Co.		
Sunnyside.	Elmore.	3	40.8	—	78	31	10	3	53	0.05	—	0.05	0.0	1	—	—	—	nw.	Col. M. W. Wood.		
Tripod Mountain.	Boise.	4,300	3	—	—	—	—	—	—	—	—	1.88	— 0.53	12.2	8	—	—	—	—	Mrs. Verna Paddock.	
Twin Falls.	Twin Falls.	3,825	7	37.7	—	67	28	14	21	38	1.29	— 0.30	1.0	11	2	2	2	2	sw.	J. A. Waters.	
Vernon.	Fremont.	14	25.7	— 3.8	49	31	— 8	4	43	2.27	—	0.45	22.5	9	15	4	12	sw.	A. M. Slattery.		
Wallace.	Shoshone.	2,728	5	33.5	—	62	27	13	3	35	1.88	—	0.49	9	—	—	—	—	—	U. S. Weather Bureau.	
Weiser.	Washington.	2,114	4	42.4	—	68	31	18	3	35	0.89	—	0.32	5.0	9	20	0	11	nw.	L. L. Jillson.	
Wendell.	Lincoln.	3,400	4	40.0	—	69	27	12	20	48	1.60	—	0.45	5.0	8	12	13	6	w.	Chas. L. Dingler.	
<i>Washington.</i>																					
Aberdeen.	Chehalis.	162	21	43.0	— 0.8	71	31	24	2	37	3.12	— 5.21	0.69	0.00	9	10	19	2	e.	Carl S. Weatherwax.	
Anacortes.	Skagit.	60	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Baker.	do.	200	6	43.2	—	71	13	25	9	44	2.45	—	1.58	0.61	0.00	6	19	1	11	—	R. M. White.
Bellingham.	Whatcom.	60	17	43.8	— 0.3	64	6 ^a	23	8 ^a	35	1.13	—	0.59	0.00	5	22	3	6	5	—	Sanford B. Mayhew.
Bellingham (near).	do.	107	41.4	—	—	62	31	21	10	36	1.27	—	0.37	0.00	6	20	6	5	5	—	U. S. Bureau Plant Industry.
Beverly.	Grant.	545	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Blaine.	Whatcom.	57	15	40.2	0.0	61	6	21	9 ^a	34 ^b	0.53	— 3.10	0.19	0.00	5	18	9	4	w.	John W. Sheets.	
Blewett.	Chelan.	2,200	2	—	—	—	—	—	—	—	—	2.10	—	1.65	0.48	0.00	7	—	—	—	—
Bremerton.	Kitsap.	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Navy Yard.	
Brewster.	Okanogan.	1,620	2	37.0	—	69	27	13	3	33	0.22	—	0.12	1.5	3	19	8	4	sw.	Mrs. H. T. Bertram.	
Bumping Lake.	Yakima.	3,400	—	30.0	—	61	31	0	2 ^a	41	1.91	—									

TABLE 1.—Climatological data for March, 1912. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.			
<i>Washington—Contd.</i>																				
Gold Creek.	Yakima.	2,600	3							1.35		0.50	6.0	4	14	8	9	w.	John W. Anderson.	
Goldendale.	Klickitat.	1,600	6	39.8		69	26†	16	3	41	1.13	0.30	3.0	11	9	18	4	w.	Klickitat Co. Abstract Co.	
Granite Falls.	Snohomish.	397	9							3.47		1.21		10	15	10	6	nw.	C. H. Clever.	
Grays River.	Wahkiakum.																			
Guler.	Klickitat.																			
Hanford.	Benton.																			
Hutton.	Adams.	1,100	7	40.6		71	27	17	3	41	0.66	0.25	0.5	6	12	3	16	ne.	Frank Kuehnle.	
Huntsville.	Columbia.	1,400	4								1.64	0.50		5						
Irene Mountain.	Okanogan.	3,015	3								0.30	0.14	2.5	5	9	13	9	nw.	Dr. A. V. Marion.	
Kennewick.	Benton.	368	17	44.0*	-2.8	74	26†	21*	2†	42*	0.60	+ 0.19	0.17	1.8	7				Mrs. S. J. Hill.	
Kettle Falls.	Stevens.	1,265	3	38.2		72	27	12	2†	42	0.49	0.25	4.5	2	19	9	3		Mrs. Manda Shain.	
Kiona.	Benton.	430	7															R. E. Reed.		
Kosmos.	Lewis.	775	6	43.4		73	31	23	2	43	2.35	0.56	0.0	11	9	20	2	ne.	H. H. Cole.	
La Center.	Clarke.	250	15	41.2	-1.8	70	31	21	3	43	2.64	-2.77	0.90	2	8	17	8	sw.	J. A. Ulsk.	
La Crosse.	Whitman.	1,400	3	38.8		68	27	1	3	41	1.08	0.52	1.5	6	16	8	7	sw.	Joseph Brothers.	
Lake Clealum.	Kittitas.	2,171	3								0.85	0.34	8.3	8	14	4	13	nw.	M. E. Schreck.	
Lake Kachess.	do.	2,335	4	34.6		63	31	9	3	39	2.82	1.44	15.0	5	5	8	5	nw.	U. S. Reclamation Service.	
Lake Keechelus.	do.	2,479	4								3.02	0.85	47.0	8	16	4	11	w.	Do.	
Lakeside.	Chelan.	1,116	21	39.9	+ 0.1	70	27	18	3	33	0.37	-0.56	0.13	T.	4	9	17	5	w.	J. A. Ulsk.
Laurel.	Klickitat.	1,900	3								2.18	0.54	6.0	10	13	16	2	e.	Joseph Brothers.	
Lester.	Ferry.	1,644	8	35.0		66	31	7	3†	39	0.54	0.26	2.0	4	18	6	7	s.	M. E. Schreck.	
Lone Tree.	King.	1,614	8	40.8		69	26†	19	2	41	2.45	1.00	6.0	6	21	0	10	e.	Augustine Smith.	
Longmires Springs.	Chehalis.	14	3	45.0		61	31	34	1†	21	2.77	1.00	0	13	13	13	5	nw.	U. S. Engineer Corps.	
Pierce.		2,800	3																	
Lost Creek.	Okanogan.	3,125	3								0.33	0.20	5.0	2	17	3	11	se.	P. H. Leese.	
Lucerne.	Chelan.	1,100	5																	
McConihe.	Grant.	1,072	3	40.6		74	27	19	2	42	0.13	0.07	0.6	3	19	4	8	n.	Lucien McConihe, Jr.	
McCumbers Ranch.	Yakima.	2,182	3								1.30	0.40	2.5	7	13	11	7	sw.	Mrs. Mary McCumber.	
Moses Lake.	Grant.										0.47	0.13	1.3	6	24	1	6	sw.	C. C. Ward.	
Mottinger.	Benton.	307	12	45.8	-2.5	79	27	26	4	39	0.58	-0.32	0.18	T.	6	21	4	6	e.	G. H. Mottinger.
Mount Pleasant.	Clallam.	500	39.2			61	31	26	2†	24	1.64	0.40	T.	8	19	3	9	ne.	Wm. M. Dorr.	
Moxee.	Yakima.	1,000	20	40.6	-1.6	77	27	13	3	53	0.20	-0.38	0.10	T.	4	18	9	4	s.	H. B. Scudder.
Newport.	Stevens.	2,400	2	32.7		62	27	1	3	36	0.97	0.34	5.0	6	16	10	5	e.	C. M. Talmadge.	
Nighthawk.	Okanogan.	3																	Steve Nagy.	
North Head.	Pacific.	211	10	44.6	-0.3	61	12	33	2	18	2.36	-2.89	1.11	T.	13	17	6	8	e.	U. S. Weather Bureau.
Northport.	Stevens.	1,350	13	37.1		70	27	11	8	40	0.44	-0.87	0.12	1.0	4	25	1	5		W. F. Case.
North Yakima.	Yakima.	1,070	3	42.4		75	27	16	3	44	0.21	0.21	0.21	T.	2	17	9	5	nw.	Albert Bender.
Nutland.	Klickitat.	3	41.2			70	26	22	3	35	0.55	0.15	0.0	6					Ruth J. Shepard	
Odessa.	Lincoln.	1,350	9																	
Olga.	San Juan.	50	22	42.3	-0.9	57	31	29	4	22	1.40	-1.06	0.43	0.0	6	21	6	4	nw.	Cecil Willis.
Olympia.	Thurston.	200	34	43.3	-1.0	71	31	24	10†	41	2.82	-2.37	0.54	0.0	11	15	5	11	nw.	M. O. Connor.
Omak.	Okanogan.	850	3	40.6		74	31	16	3†	45	0.40	0.28	0.2	2	22	5	4	4	s.	St. John Umbrite.
Oroville.	do.	922	3	42.0*		73*	26	18*	9	43*	0.12	0.10	0	2	10*	6*	10*	s.	M. C. Jackman.	
Parker.	Yakima.																			
Peola.	Garfield.	5,000	3								2.15	0.67	21.6	9	19	5	7	nw.	Samuel Gruell, sr.	
Pomeroy.	do.	1,500	20	39.0	-3.1	69	27	12	3	39	1.75	-0.31	0.51	3.0	6	15	3	13	w.	Peter McClung.
Port Crescent.	Clallam.	259	17	39.2	-0.7	58	25	24	3	25	1.65	-2.27	0.46	0	10	12	8	s.	U. S. Weather Bureau.	
Port Townsend.	Jefferson.	80	22	43.3	-1.1	62	31	29	4	24	1.02	-0.80	0.29	0.0	8	20	2	9		F. Plummer.
Pullman.	Whitman.	2,550	20	34.4	-3.5	58	27	10	3	24	1.31	-0.94	0.33	3.0	12	13	6	12	sw.	State Agricultural College.
Quets River.	Chehalis.	16	42.8			64†	31	20†	19	40†	3.79		0.0		10†	4†	7†	w.	C. A. Bullard.	
Quinalt.	do.	300	5	44.7	-7.1	72	22	24	2	41	6.33	1.00	0.0	0	13	11	5	5	w.	A. V. Higley.
Republic.	Ferry.	2,628	12	32.3	-3.4	66	27	3	3†	45	0.33	0.19	2.0	3	22	3	6	nw.	G. B. Stocking.	
Rex Creek.	Chehalis.	1,135	5	38.8		68	31	19	10	31	1.91	0.78	3.0	4	17	7	7	se.	Jas. W. Nicol.	
Ritzville.	Adams.	1,825	13																	
Robertsville.	Klickitat.																			
Rock Lake.	Whitman.	1,910	6	38.4		66	31	11	3	41	1.74	0.67	9.0	7	11	20	0		R. R. Conger.	
Rosalia.	do.	2,425	20	36.0	-1.7	61	27	13	3	28	1.03	0.30	2.0	3	19*	4*	3*	sw.	P. M. Ramsey.	
Russells Ranch.	Yakima.	2,870	3																Hans Mumim.	
Seattle.	King.	123	21	44.3	+ 0.1	66	31	32	21	26	1.79	-1.81	0.62	T.	10	12	8	11	n.	Mrs. Adella Russell.
Sedro Woolley.	Skagit.	38	15	42.8	-1.3	67	31	29	4	35	1.60	-2.79	0.44	0.00	7	18	5	8	s.	U. S. Weather Bureau.
Sixprong.	Klickitat.	1,240	5	42.6		70	25†	20	3	38	0.73	0.30	0.00	5	15	4	9	ne.	Mrs. L. M. Devin.	
Rex Creek.	do.																		C. E. Comstock.	
Ritzville.	Adams.																			
Robertsville.	Klickitat.																			
Rock Lake.	Whitman.																			
Rosalia.	do.																			
Russells Ranch.	Okanogan.	2,200	3	30.2		64	27†	-3	3	40	0.50	0.30	4.0	2	24	7	0	w.	C. E. Ingraham.	
South Bend.	Pacific.	17	44.6	-0.6	68	31	25	2	35	4.43	-4.37	1.50	0	14	9	15	7	e.	Geo. M. Snyder.	
Spokane.	Spokane.	1,943	31	38.3	-0.6	65	27	18	3	29	0.57	-0.94	0.40	3.7	7	7	13	11	ne.	Winifred E. Buckingham.
State University.	King.	170	3	13.2		66	31	30	2†	25	1.88	0.62	0.00	10	16	4	11	11	sw.	U. S. Weather Bureau.
Stokes Ranch.	Okanogan.	2,670	3								0.26	0.10	4.4	3	19	8	4	nw.	State University.	
Summer.	Pierce.	77	4	43.2		69	31	23	10	39	2.25	0.84	0.00	13	13	6	12	n.	Chas. W. Gunn.	
Sunnyside.	Yakima.	740	17	41.3	-1.7	74	27	17	3	46	0.06	-0.31	0.04	0.00	2	12	16	3	ne.	H. E. Thompson.
Tacoma.	Pierce.	213	26	43.4	-0.8	66	31	29	21	29	1.94	-2.04	0.57	T.	10	12	8	10	n.	U. S. Reclamation Service.
Tatoosh Island.	Clallam.	85	27	44.5	+ 1.6	56	13	35	15	14	2.40	-6.17	1.30	0.00	8	17	7	7	ne.	U. S. Weather Bureau.
Tieton.	Yakima.	2,000	3</td																	

TABLE 1.—Climatological data for March, 1912. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.			Highest.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of cloudy days.					
					Highest.	Date.	Greatest daily range.														
Oregon.																					
Albany.	Linn.	212	30	44.6	-1.8	72	31	24	3	38	2.00	-0.06	0.52	0	11	10	8	13	nw.		
Ashland.	Jackson.	1,963	28	42.6	-2.7	67	31	22	3	34	2.30	-3.67	0.86	0	13	14	8	9	sw.		
Astoria.	Clatsop.	16	51	45.6	-1.0	64	21	29	2	28	3.30	-1.03	0.41	0.38	11.3	9	13	9	nw.		
Baker.	Baker.	3,466	22	34.7	-0.8	60	27	4	3	31	1.03	-0.41	0.38	0	13	10	4	17	nw.		
Bay City.	Tillamook.	14	18	45.6	0	62	26 [†]	25	3	32	3.37	-6.95	1.04	0	13	10	6	10	w.		
Beech Creek.	Grant.	4,500	28	28.4	—	46	31	7	21	32	1.39	—	0.45	2.15	10	15	6	10	G. G. Carson.		
Bend.	Crook.	3,629	30	35.6 ^a	—	68 ^a	30	64	3	50 ^a	1.36	—	0.31	9.5	8	12 ^a	15 ^a	sw.			
Black Butte.	Lane.	1,200	11	39.8	-3.8	58	25	23	21	49	9.90	—	1.55	2.0	8	15	6	10	nw.		
Blalock.	Gilliam.	237	14	44.7	—	73	26 [†]	24	3	36	0.36	—	0.22	0	2	10	6	15	e.		
Burns.	Harney.	4,157	21	41.7	+ 7.2	71	31	13	4 ^b	46	0.55	-0.52	0.15	4.0	5	10	7	14	nw.		
Cascade Locks.	Hood River.	100	22	43.8	-1.7	68	31	27	11	34	6.68	-4.20	0.75	0	11	16	1	14	e.		
Cazadero.	Clackamas.	503	3	46.0	—	70	31	25	24 [†]	33	2.35	—	0.75	T.	9	9	5	17	se.		
Cliff.	Lake.	4,300	5	32.1	—	64	31	5	2 [†]	56	0.39	—	0.08	1.0	8	8	4	19	n.		
Condon.	Gilliam.	2,884	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	John C. Green.		
Corvallis.	Benton.	266	24	43.8	—	70	31	26	4	35	3.66	—	1.26	0	11	12	6	13	nw.		
Crescent.	Klamath.	4,400	30.6	—	—	63	31	1	21	51	2.63	—	0.79	19.4	6	13	10	8	sw.		
Dayville.	Grant.	2,200	18	39.6	-3.7	68	27	17	3 ^b	45	0.58	-0.69	0.27	2.0	6	13	5	12	nw.		
Deadwood.	Lane.	350	2	45.5	—	71	24	28	21	39	4.15	—	1.58	0	9	12	7	12	nw.		
Doraville.	Columbia.	690	10	42.2	-1.0	69	31	22	2	35	2.90	-2.33	0.77	3.1	15	12	5	14	ne.		
Drain.	Douglas.	300	10	45.6	—	74	31	25	21	39	5.60	—	2.25	0.7	16	8	13	10	nw.		
Echo.	Umatilla.	625	8	42.2	—	73	27	19	4	38	1.14	—	0.41	0.6	8	12	5	14	w.		
Ella.	Morrow.	830	8	40.0 ^a	—	70	26 [†]	18 ^c	4	38	0.85	+ 0.16	0.27	0	6	14	10	7	sw.		
Eugene.	Lane.	449	22	44.5	-1.2	68	26	25	4	33	2.80	-1.07	1.16	0	12	12	5	14	nw.		
Fairview.	Cooks.	142	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	University of Oregon.		
Falls City.	Polk.	355	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Wm. Bettys.		
Forest Grove.	Washington.	220	23	44.6	+ 0.6	69	26	23	2	35	2.99	-1.86	1.12	0	8	8	9	14	n.		
Gladale.	Douglas.	1,441	8	47.4	—	76	23	24	20	46	5.03	—	1.80	0.5	9	16	9	6	nw.		
Glenora.	Tillamook.	575	21	41.7	-2.3	71	25	22	2	35	8.34	-4.46	1.90	6.0	11	16	3	12	n.		
Gold Beach.	Curry.	40	11	46.5	-1.1	64	31	32	3	24	0.66	-9.60	1.20	0	4	25	6	0	n.		
Grants Pass.	Sophia.	956	24	45.0	-1.0	71	31	20	3	48	3.79	-0.03	1.68	0	12	12	7	12	sw.		
Grass Valley.	Sherman.	2,381	10	37.4	—	—	—	18	4 ^b	—	0.60	-3.22	0.30	6.0	3	14	8	9	ne.		
Gurdane.	Umatilla.	3,500	—	37.8	—	80	27	10	1	42	0.11	—	0.03	1.9	7	8	11	12	n.		
Headworks.	Clackamas.	719	10	39.1	—	69	22 [†]	27	9	40	3.97	-4.55	0.67	0	10	12	9	10	w.		
Heppner.	Morrow.	1,950	22	38.4	-4.2	69	27	20	4	35	0.93	-0.68	0.38	T.	9	10	13	8	Portland Water Works.		
Hermiston.	Umatilla.	451	5	42.2	—	74	27	18	3 ^b	47	0.50	—	0.24	T.	3	15	10	6	Frank Gilliam.		
Hermosa Rio.	Crook.	2,300	1	37.6	—	70	27	10	3	42	1.16	—	0.43	7.0	4	14	3	4	e.		
Hood River.	Hood River.	300	22	41.0	-1.5	70	31	22	2	37	1.35	-2.15	0.30	T.	7	13	5	13	e.		
Huntington.	Baker.	2,163	11	40.7	+ 6.5	80	13 [†]	30	1 ^b	35	1.41	-1.29	0.78	0	5	19	2	10	w.		
Jacksonville.	Jackson.	1,640	24	43.6	-2.1	71	31	21	3	39	2.23	-0.47	0.91	0	11	14	9	8	w.		
Joseph.	Wallowa.	4,400	23	30.5	-2.1	57 ^c	23	3 ^c	2	37	1.82	-0.24	0.64	17.5	6	7	11 ^c	8 ^c	E. Britt.		
Klamath Agency.	Klamath.	4,169	4	36.2	—	65	29	22	19 [†]	37	0.90	—	0.48	9.0	3	13	12	6	F. F. McCully.		
Klamath Falls.	do.	4,100	23	35.5	-4.1	69	31	13	3	41	1.05	-0.39	0.45	4.0	3	8	13	10	Edson C. Watson.		
La Grande.	Union.	2,784	24	36.8	-3.1	63	26	5	4	36	1.04	-0.88	0.30	4.2	10	14	5	12	W. H. Heileman.		
Lakeview.	Lake.	4,825	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. A. Worstall.		
McKenzie Bridge.	Lane.	1,400	11	40.2	-3.0	74	26 [†]	11	3	52	4.44	-2.85	1.65	1.0	13	10	2	15	nw.		
McMinnville.	Yamhill.	182	25	45.2	—	69	31	3	3	36	2.30	-0.24	0.86	T.	10	18	1	12	Ralph C. Koozer.		
Marfield.	Coos.	34	11	45.2	-2.2	65	22	26	4	35	4.38	—	1.10	—	9	11	13	7	Do.		
Medford.	Jackson.	1,425	1	44.6	—	74	31	20	3	44	1.66	—	0.42	0	9	11	6	16	W. E. Lottman.		
Metolius.	Crook.	2,525	1	37.8	—	67	27	12	3	40	0.76	—	0.55	7.0	3	9	6	9	G. Muecke.		
Mikalo.	Gilliam.	1,400	6	40.1	—	67	26 [†]	20	2	34	0.93	—	0.30	1.0	8	16	6	9	D. A. Peek.		
Miramonte Farm.	Clackamas.	195	24	45.0	-0.7	72	31	23	3	40	2.14	-2.36	0.40	4.05	5	12	9	10	Dr. Urban Fisher.		
Monroe.	Benton.	350	15	43.6	-3.9	67	26 [†]	25	3	34	4.75	-0.56	1.66	0.0	13	15	5	11	S. G. Babson.		
Mount Angel.	Marion.	485	26	45.0	-3.0	65	26 [†]	28	2	30	2.77	-2.19	0.63	0	10	13	8	10	Alex. Lundberg.		
Mount Hood.	Hood River.	1,650	2	38.0	—	69	31	19	3	45	2.45	—	0.59	7.0	10	18	10	3	Wm. Matthews.		
Musick.	Douglas.	5,000	3	33.9	—	57	31	15	3	26	9.83	—	3.90	96.5	14	4	15	6	L. D. Firebaugh.		
Newport.	Lincoln.	69	25	47.4	-1.2	64	12	29	2 [†]	45	2.12	-5.58	1.03	0	8	12	13	E. C. Woodward.			
Ortley.	Wasco.	1,600	1	37.8	—	61	21	18	2	34	1.52	—	0.50	7.5	5	18	3	6	E. F. Overill.		
Paisley.	Lake.	4,500	38	35.6	—	60	21 [†]	21	20	28	1.35	—	0.05	10.0	5	15	6	6	John P. McManus.		
Pendleton.	Umatilla.	1,070	23	40.0	-4.6	70	27	22	4	40	1.25	-0.24	0.32	T.	9	9	9	13	E. Coalman.		
Pilot Rock.	Pompeii.	1,817	4	38.4	—	71	26	20	4	34	2.04	—	0.49	1.0	11	12	6	13	J. D. Loucks.		
Portland.	Clackamas.	3,879	17	31.8	-1.6	60	22	7	4	32	4.95	-4.06	1.70	12.5	7	11	8	12	U. S. Weather Bureau.		
Port Orford.	Multnomah.	57	42	46.4	+ 0.1	71	31	30	3	31	1.41	—	0.54	T.	10	11	8	7	A. M. Kirchheimer.		
Prairie City.	Curry.	3,425	36.3	—	—	68	31	6	3	44	0.99	—	0.28	8.0	11	15	2	14	Geo. Summers.		
Prineville.	Crook.	2,864	16	37.8	—	64	26	12	4	44	0.73	—	0.21	7.0	6	20	11	7	E. F. Graham.		
Prospect.	Jackson.	2,800	6	40.0	—	71	22	15	3	48	3.76	—	0.14	24.0	12	10	14	7	Mrs. Iva B. Collins.		
Ramsey.	Wasco.	1,350	11	37.6	—	65	26	16	3	36	1.88	—	0.36	9.0	10						

TABLE 2.—*Daily precipitation for March, 1912. District No. 12, Columbia Valley.*

Stations.	Watershed.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.	
<i>Montana.</i>																																		
Anaconda.	Missoula.	.25	*	.12			*	.14			T.	.08			.05	T.	T.	.08								.02		*	.22		.88			
Butte.	do.	.16	.24				.12	.08							.04	T.	T.	T.								T.		.08		.30				
Columbia Falls.	Flathead.														.03	.10	T.	.11	T.												.34			
Como.	Bitter Root.	.05	.08	.08			.15								.09	.04		.13													.62			
East Anaconda.	Missoula.	.14	*	.03			*	.08		T.		T.	T.	T.	.08	T.	T.	.07	T.								.02		*	.10				
Fortine.	Kootenai.																															.52		
Hamilton.	Bitter Root.	.01	.01				.11																									.87		
Hat Creek.	Missoula.	.04	.23	.04			.04	.06							T.	.08	T.	.20	T.	.04	.04										.23			
Haugan.	do.							.11																								.79		
Heron.	Columbia.																																.13	
Kalispell.	Flathead.	T.																															.51	
Libby.	Kootenai.																																.37	
Lost Creek.	Missoula.	.06																															.30	
Missoula.	do.																																.50	
Ophir.	do.																																.16	
Ovando.	do.	.15	.10	.12			T.	.16			T.				.06	.09		.10	.25	.30	.11											.58		
Philipsburg.	do.	T.	.20					.30																								.10		
Plains.	Columbia.																																.40	
Pleasant Valley.	Kootenai.																																.12	
Poison.	Flathead.																																.64	
Proctor.	do.	T.	T.																														.90	
Saint Ignatius.	do.																																.28	
Saltse.	Missoula.																																.05	
Stevensville.	Bitter Root.																																.43	
Thompson Falls.	Columbia.																																.69	
Willow Glen Stock Farm.	Missoula.																																	
<i>Wyoming.</i>																																		
Afton.	Snake.	.30		.15	.20	.11	T.	.03	.18	.10					.03	.04	.02	.05															.27	
Alta.	do.	.29	.19	T.	.20		T.								.22																		.49	
Bechler River.	do.	.60	.24				.30		.24						.19																		.57	
Bedford.	do.	.15	.28				.15	.25	.20	T.					.19																		.54	
Moran.	do.	.15	.29	.14			.28	.12	.08						.08																	.75		
Snake River.	do.	.24	.16	.15			.32	.25	.24	.15	T.	T.			.08																	.23		
<i>Nevada.</i>																																		
San Jacinto.	Snake.																																	
<i>Utah.</i>																																		
Standrod.	Boxelder.	.11	.08				.16	.04	.02	.35	.11	.12			.30				.30													.40		
<i>Idaho.</i>																																		
Albion.	Snake.																																	.77
Almo.	do.	.17	T.	.04	.05					T.					.07	T.		.10																.48
Alpha.	Payette.																																	
American Falls.	Snake.	.64	.15				.22	.11																										
Arrow Rock.	Boise.	.15	.21				.05	.18	.28	.03					.03																			.00
Blackfoot.	Blackfoot.	.23	.28				.20	T.	.33																									.65
Blackfoot Dam.	do.																																	
Bock's Ranch.	Boise.	.11	.12				.04	.42																										.71
Bogus Creek.	Payette.	.28	.36				.07	.11	.14	T.					.09	.15	.17																.44	
Boise.	do.	.12	.17				.03	.14	T.						.02	.03	.13	.06															.26	
Bonners Ferry.	Kootenai.																																	
Boulder Mine.	Bolze.	.35	.15				.04	.12	.20																									.32
Buhl.	do.	.05	.15				T.	.12	.12	.40					T.	.10	.05																.23	
Caldwell.	Boise.	.20																																.78
Camas.	do.																																	.63
Lost River Region.																																		
Cambridge.	Weiser.	.18	.10				.02	.30		.01																								.27
Cedar Creek Dam.	Snake.	.22	.27				T.	.03	.02	.16						.09	T.																.59	
Chesterfield.	T.	.25																																.47
Clarks Fork.	Port Neuf.																																	.40
Clyde.	Pend Oreille.																																	
Council.	Weiser.	.14	.11	T.			.90	.21							.14																			.50
Culdesac.	Clearwater.																																	
Deary.	do.																																	.63
Dent.	do.																																	.77
Driggs.	Snake.																																	
Emmett.	Payette.	.20	.08				T.	.10	.31						.02																			.03
Forney.	Salmon.																																	.80
Garden Valley.	Payette.																																	.27
Garnet.	Snake.			</																														

TABLE 2.—*Daily precipitation for March, 1912. District No. 12—Continued.*

Stations.	Watershed.	Day of month.																																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total					
<i>Idaho—Continued.</i>																																						
Mesa||.	Weiser																																	0.61				
Middle Fork.	Clearwater																																					
Milner.	Snake	.30	.31	.07	.05	.21																											1.25					
Moscow.	Palouse	T.	T.																														1.17					
Mountain Home.	Snake	.09	.21																														1.40					
Murtaugh||.	do	.13	.16																														0.77					
New Meadows.	Salmon																																					
Nez Perce.	Clearwater																																	2.06				
Oakley.	Snake																																	0.54				
O'Hara Bar.	Clearwater																																					
Orofino.	do																																	1.76				
Payette.	Payette	10	T.																															0.73				
Pebble.	Port Neuf.	.14	.58	.15	.28	.18	.06	T.																									2.68					
Pierson.	Salmon																																	2.04				
Pine.	Boise	.32	.37																															3.23				
Pleasant Valley.	do	.09	.05	.01	.06	.21	T.																										0.99					
Pocatello.	Port Neuf.	T.	.48	.03	.06	.02	.03	.13																														
Pocatello Nursery.	do																																		1.13			
Poplar.	Snake																																					
Porthill.	Kootenai																																					1.40
Powers Ranch.	Boise	.38	.19	.10																																2.19		
Priest River Experiment Station.	No. 1 Pend																																			1.27		
Priest River Experiment Station.	Oreille																																					
Priest River Experiment Station.	No. 2 Pend																																			1.27		
Riddle.	Oreille																																					
Riddle.	No. 3 Pend																																				1.27	
Riddle.	Payette	.25	.06	T.																																2.29		
Riddle.	Rattlesnake Creek	.15	.15	.02																																2.02		
Riddle.	Wood-Malad	T.	.21																																	1.03		
Roseberry.	Payette	.19	.07	.04																																1.67		
Rosewirth.	Snake																																					
Ruby Creek.	Boise	.38	.16																																	2.95		
Rupert.	Snake	.08	.30																																	1.00		
St. Maries.	St. Joe																																			1.01		
Salmon.	Salmon	.06	.32																																	0.50		
Sandpoint.	Pend Oreille	.42																																		0.81		
Sheep Hill.	Boise	.42	.06																																	3.13		
Shoehone.	Wood-Malad	T.	.13																																	0.81		
Silver City.	Owyhee	.32	.11	.03	.01	.10	.10	.04	T.																										1.41			
Smith Prairie.	Boise	.11	.32																																	1.99		
Soldier Creek.	Wood-Malad																																					
Spirit Lake.	Yakima																																					
Springfield.	Puget Sound	.04	.10																																		1.47	
Sugar||.	Snake	.43	.18																																	0.73		
Sunnyside.	do																																			0.05		
Tripod Mountain.	Payette	.16	.17																																	1.88		
Twin Falls.	Snake	.18																																		1.29		
Vernon.	do	.10	.36																																	2.27		
Wallace.	C. d'Aleue																																			1.88		
Weiser.	Weiser	.02	.01																																	0.89		
Wendell.	Wood-Malad	.15																																		1.60		
<i>Washington.</i>	<i>Coast.</i>																																			3.12		
Aberdeen.	Puget Sound																																					
Anacortes.	Puget Sound																																					
Baker.	do																																					2.45
Bellingham.	do																																			1.13		
Bellingham (near).	do																																			1.27		
Blaine.	do																																			0.53		
Blewett.	Wenatchee	.10																																		2.10		
Bremerton.	Puget Sound																																			1.65		
Bumping Lake.	Columbia																																			0.22		
Cedar River.	Yakima																																			1.91		
Centralia.	Puget Sound																																			2.29		
Cheney.	Spokane																																			2.70		
Cle Elum.	Yakima	.09																																		1.64		
Clearbrook.	Puget Sound																																			1.00		
Colfax.	Palouse																																			1.73		
Colville.	Columbia																																			0.65		
Conconully.	Okanogan																																					

TABLE 2.—*Daily precipitation for March, 1912. District No. 12—Continued.*

Stations.	Watershed.	Day of month.																														Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Washington—Con.</i>																																		
Koemos.	Columbia.																																	2.35
La Center.	do.	.01																																2.64
La Crosse.	Palouse.	T.	.15																														1.08	
Lake Clealum.	Yakima.	T.																																0.85
Lake Kachess.	do.																																	2.82
Lake Keechelus.	do.																																	3.02
Lakeside.	Columbia.																																	0.37
Laurel.	do.	.03																																2.18
Laurier.	Kettle.																																	0.54
Lester.	Puget Sound Coast.																																	2.45
Lone Tree.	Puget Sound.																																	2.77
Longmires Springs.																																		
Lost Creek.	Columbia.																																	0.33
McConihe.	do.																																	0.13
McCumbers Ranch.	do.																																	1.30
Moses Lake.	do.																																	0.47
Mottinger.	do.	.05																																0.58
Mount Pleasant.	Coast.	T.																																1.64
Moxxee.	Yakima.	T.	T.																															0.20
Newport.	Pend Oreille.																																	0.97
North Head.	Coast.	T.																																2.36
Northport.	Columbia.																																	0.44
North Yakima.	Yakima.	T.	T.	T.																													0.21	
Nutland.	Columbia.																																	0.55
Odessa.	do.																																	
Olga.	Puget Sound.																																	1.40
Olympia.	do.																																	2.82
Omak.	Okanogan.																																	0.40
Oroville.	do.																																	0.12
Parker.	Yakima.																																	
Peola.	Snake.	.30																																2.15
Pomeroy.	do.	T.	.30																														1.75	
Port Crescent.	Coast.																																	1.65
Port Townsend.	Puget Sound.																																	1.02
Pullman.	Palouse.	.01	.10	.01																													1.31	
Quets River.	Coast.	T.	.01	T.																													3.79	
Quinault.	do.																																	6.33
Republic.	Kettle.																																	0.33
Rex Creek.	Columbia.																																	1.91
Ritzville.	do.																																	
Robertsville.	Palouse.																																	1.74
Rock Lake.	do.																																	0.49
Rosala.	do.																																	1.03
Russells Ranch.	Yakima.	.02	.21	T.	T.																												2.37	
Seattle.	Puget Sound.																																	1.79
Sedro Woolley.	do.																																	1.60
Sixprong.	Columbia.																																	0.73
Skagit Power Dam.	Puget Sound.																																	
Snohomish.	do.																																	1.70
Snoqualmie Falls.	Columbia.																																	0.50
Snyders Ranch.	do.																																	0.43
South Bend.	Coast.																																	0.57
Spokane.	do.	T.	T.	.02																													1.88	
State University.	Puget Sound.																																	0.26
Stokes Ranch.	Columbia.																																	2.25
Summer.	Puget Sound.																																	0.06
Sunnyside.	Puget Sound.																																	1.94
Tacoma.	Coast.																																	2.40
Tatoosh Island.	Yakima.																																	1.76
Tiston.	do.	.47	.18																															
Tonasket.	Okanogan.																																	0.77
Touchet.	Columbia.																																	5.06
Touchet Ridge.	do.																																	0.53
Trinidad.	Columbia.	</td																																

TABLE 2.—*Daily precipitation for March, 1912. District No. 12—Continued.*

TABLE 2.—*Daily precipitation for March, 1912. District No. 12—Continued.*

Stations.	Watershed.	Day of month.																														Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Oregon—Continued.																																	
Prairie City.	John Day.	.28						.01	.07	.02																							0.99
Prineville.	Deschutes.	.19	.03		.02	.09	.21																									0.73	
Prospect.	Rogue.		.10		T.	.30	.40	.20	.06		T.	T.																			3.76		
Rager Creek.	Deschutes.	.06					T.	.07	.07																						0.38		
Ramsey.	Columbia.	.05	.18				.12	.34	.36	.11																					1.88		
Range.	John Day.		.20				T.	.10																								1.45	
Ray Creek.	Columbia.	T.	.04			T.	.05	.40		T.																					0.82		
Redmond.	T.	.10	T.	.10	.60																										0.80		
Reston.	Umpqua.	.06	.13	.09	.76	.25	.37	.02																						5.98			
Richland.	Snake.	T.	T.			T.	T.		T.																						T.		
Riverdale.	Deschutes.																																
Riverside.	Malheur.	.20				.45	T.	.08		.50	.05																				1.35		
Rock Creek.	Willamette.																															5.74	
Roseburg.	Umpqua.	.01	.07		.14	.77	.19	.22																							4.05		
Rosland.	Deschutes.	.21				.30	.45	.50																							2.48		
Salem.	Willamette.	T.	.06			.03	.10	.04	.03																					1.79			
Sameca.	SE. drainage																																
Silver Lake.	do.																															0.92	
Siskiyou.	Rogue.	.04		.08	.36	.70	.18	.18																						3.89			
Sisters.	Deschutes.	.60			.80	.20	.80	.05																						3.09			
Sparta.	Snake.	.01																													0.11		
Stafford.	Willamette.	T.																													1.59		
Starkey.	Grnd. Ronde	T.																													0.90		
Summit.	Willamette.	.15	.09			.15	.35	.36																						4.72			
Summit Prairie.	Deschutes.	.12	.06			.10	.14	.28																						1.40			
Susanyville.	John Day.	.20	.35			T.	.01																								1.71		
Tamarack.	do.	T.	.07			.04	.12		T.																						0.61		
Telocast.	Snake.	.10	.05			.10		.01																						0.38			
The Dalles.	Columbia.	.02				.05	.17	.41	.05																					1.03			
Tinroof.	Umatilla.																																
Toledo.	Coast.	.40																													3.70		
Trail.	Rogue.	.03				.16	.57	.02	.19																					3.08			
Trask.	Coast.																																
Umatilla.	Columbia.	T.																													0.37		
Union.	Grnd. Ronde	.06				.04		.29		T.																				0.99			
Vale.	Malheur.	.17	.06			.32	.12		T.																					0.70			
Valley Falls.	SE. drainage					.04	.17	.04																					2.16				
Van.	Malheur.					.08	.12																							0.65			
Vida.	Willamette.	.15	.24			.03	.13	.24	.14	T.																				5.41			
Wallace Orchard.	do.	.06				T.	.35	.33	.04																					2.65			
Walloupa.	Grnd. Ronde	.18																													1.59		
Wallowa.	do.	.09																													0.63		
Wamic.	Deschutes.	.25																													0.64		
Warmespring.	do.	.05	.05																												0.60		
Wasco.	Columbia.	.06																													0.92		
Welches.	do.	.03																													3.47		
Westfall.	Malheur.																																
Weston.	Walla Walla	.10	.10		T.	T.	.05	.65																						2.09			
Williams.	Rogue.	.02			.03	.35	.60	.03	.08																				3.30				
Yonna.	Int. drainage	.02	.10			.04	.15	.04	.20																				1.02				

* Precipitation included in that of the next measurement.

† Separate date of falls not recorded.

‡ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE No. 3.—Maximum and minimum temperatures at selected stations for March, 1912. District No. 12, Columbia Valley.

Date.	Montana.				Wyoming.				Idaho.																			
	Kalispell.		Missoula.		Afton.		Boise.		Bonners Ferry.		Hotspring.		Lewiston.		Mackay.		New Meadows.		Pocatello.		Salmon.		Shoshone.		Vernon.		Wallace.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	25	11	34	13	40	8	40	32	32	8	41	25	31	18	42	25	29	1	41	29	33	13	29	18				
2....	24	9	22	5	42	23	36	26	30	11	35	28	34	19	45	22	32	8	37	29	35	16	29	14				
3....	28	3	33	14	40	7	34	18	36	8	39	26	34	4	31	19	28	9	32	19	29	12	32	13				
4....	33	4	33	12	24	-12	42	22	38	6	48	22	34	17	33	6	18	-15	32	20	35	-8	35	14				
5....	32	6	36	15	44	14	42	31	42	9	54	28	35	22	41	28	25	6	41	28	35	18	42	19				
6....	35	16	25	19	44	23	54	30	45	24	47	31	37	18	51	30	27	5	48	30	41	27	42	23				
7....	34	12	28	16	41	26	48	34	42	14	39	35	38	18	41	31	25	-2	38	36	18	29	23					
8....	30	3	36	11	35	0	46	29	45	6	46	32	33	11	39	19	24	-4	38	23	37	5	40	18				
9....	34	5	42	12	40	8	42	33	44	7	45	31	31	12	41	22	22	-9	40	29	38	4	44	14				
10....	45	9	44	18	34	10	38	26	51	9	49	28	32	11	35	26	27	8	39	27	30	21	44	15				
11....	40	16	42	27	40	23	46	32	50	22	50	34	31	11	41	29	35	5	43	28	32	16	42	26				
12....	39	18	35	27	37	3	52	31	46	23	58	31	33	7	45	29	34	7	44	25	34	14	40	28				
13....	36	9	36	16	41	16	52	34	46	15	49	29	34	20	38	27	35	6	44	31	33	17	40	24				
14....	36	8	38	10	35	6	48	27	41	12	44	28	35	14	40	21	33	1	44	24	33	12	40	16				
15....	43	28	43	29	38	23	45	36	46	27	47	40	32	15	40	33	40	15	41	31	33	20	40	30				
16....	42	29	44	26	42	23	42	35	43	23	52	36	32	23	37	27	39	28	39	26	34	24	39	28				
17....	43	26	44	24	40	10	43	35	42	30	54	35	39	12	42	27	43	20	44	24	33	20	38	30				
18....	38	18	40	28	50	20	49	34	40	27	50	34	38	15	51	34	44	27	50	24	34	25	38	30				
19....	30	13	37	17	40	26	42	33	41	10	48	33	34	14	42	27	42	12	41	29	33	20	41	23				
20....	32	8	37	14	34	10	45	27	43	6	50	28	31	17	32	20	35	5	40	25	30	-5	42	10				
Mns..	39.4	16.6	43.2	20.2	39.8	11.2	49.0	31.4	47.6	19.5	52.4	32.1	38.0	17.0	43.7	25.3	35.9	9.7	46.0	26.0	36.7	14.7	44.0	23.0				

Date.	Washington.																											
	Aberdeen.		Blaine.		Colville.		Kosmos.		Lakeside.		North Head.		North Yakima.		Odessa.		Port Crescent.		Seattle.		Sixprong.		Spokane.		Tacoma.		Tatoosh Island.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	53	28	44	30	38	20	41	26	34	25	44	35	41	26	40	34	41	36	40	29	33	24	37	43	37			
2....	48	24	46	28	35	14	51	23	40	19	45	33	40	26	43	26	45	33	38	21	48	33	48	35				
3....	51	25	46	24	39	12	50	33	34	18	48	37	44	16	42	24	47	34	40	20	33	18	47	32	50	39		
4....	49	34	50	22	44	10	58	37	39	23	50	36	43	27	49	29	52	35	45	28	40	22	50	46	37			
5....	56	36	56	25	45	12	49	41	39	22	54	43	46	36	47	27	52	40	44	32	46	27	51	37	52	42		
6....	50	40	61	27	50	22	44	37	42	31	46	40	45	35	49	35	48	41	44	34	47	33	46	41	52	44		
7....	46	38	56	31	43	30	53	33	40	32	48	41	39	32	46	29	49	25	46	39	38	31	43	39	52	41		
8....	48	39	52	23	46	10	57	24	44	24	46	38	44	31	45	27	49	33	38	32	44	26	49	35	52	38		
9....	55	26	48	21	45	10	58	28	46	21	50	37	46	20	48	25	51	32	38	31	43	22	49	30	48	36		
10....	60	25	50	21	50	13	57	27	46	21	55	37	50	24	48	29	54	35	53	29	50	24	54	30	51	39		
11....	60	31	52	24	52	18	59	30	52	28	52	41	56	27	48	55	33	54	37	48	33	56	30	50	40			
12....	64	29	53	25	40	21	60	27	51	26	61	44	52	27	52	29	61	41	53	34	47	29	60	32	55	41		
13....	47	36	52	26	47	21	63	26	46	26	54	43	54	30	52	29	58	40	55	31	43	28	58	36	56	43		
14....	43	35	50	29	41	17	50	33	46	28	47	39	54	27	45	31	50	40	50	33	44	24	51	39	48	38		
15....	49	35	44	32	40	31	49	33	42	29	46	40	54	33	41	34	48	37	52	35	33	33	50	37	42	35		
16....	49	36	48	36	44	28	50	35	50	32	48	39	54	26	46	36	50	38	50	33	44	33	51	37	48	39		
17....	43	35	47	37	40	24	46	36	51	30	46	38	56	24	48	35	45	39	54	32	44	32	45	38	45	37		
18....	50	28	47	34	48	28	41	34	47	32	44	38	52	49	46	30	46	36	49	31	44	31	46	34	46	36		
19....	54	28	48	33	42	17	50	29	45	26	46	36	53	26	44	30	48	35	52	30	42	26	47	33	48	37		
20....	62	26	46	23	47	21	54	24	49	27	48	36	53	26	45	27	48	34	52	27	48	27	48	32	47	39		
21....	60	28	50	24	55	21	63	24	54	27	51	40	60	20	47	24	54	32	62	29	50	30	54	29	50	38		
22....	64	28	52	26	60	22	68	26	59	29	51	41	66	25	50	26	57	34	62	33	57	30	57	31	52	40		
23....	50	32	52	30	52	23	54	29	50	32	47	42	62	27	47	34	48	37	55	3								

TABLE No. 3.—*Maximum and minimum temperatures at selected stations for March, 1912. District No. 12—Continued.*

Date.	Walla Walla, Wash.	Oregon.																						
		Ashland.		Baker.		Eugene.		Gold Beach.		Hermiston.		Marshfield.		Portland.		Prineville.		Roseburg.		The Dalles.				
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.....	33	26	50	30	36	23	50	26	50	35	42	21	50	27	42	34	50	20	47	33	46	26	40	30
2.....	32	25	40	29	27	12	46	32	47	33	44	28	48	32	47	32	49	26	43	33	43	29	42	28
3.....	40	23	47	22	28	4	48	28	49	32	48	18	54	27	50	30	51	18	48	28	47	24	38	18
4.....	47	22	47	27	33	11	52	25	50	48	48	22	55	26	50	37	50	12	51	27	48	29	38	17
5.....	46	27	50	36	40	29	50	38	48	41	52	24	53	40	52	41	50	20	47	41	34	43	32	
6.....	40	32	48	35	45	32	54	39	50	48	48	32	53	42	49	42	45	16	54	40	44	35	42	30
7.....	37	30	48	34	44	28	53	38	50	39	38	22	50	40	45	39	48	23	53	39	43	37	52	30
8.....	37	30	48	34	36	27	49	38	54	36	42	30	54	32	46	38	46	28	52	36	42	33	50	32
9.....	40	34	53	28	39	24	51	35	56	37	43	35	59	33	51	32	50	26	55	35	44	35	46	26
10.....	39	29	52	29	36	24	54	28	54	38	48	33	58	31	54	37	50	24	57	31	50	36	48	32
11.....	52	38	52	29	43	27	57	31	59	39	56	25	62	30	58	33	52	26	60	29	55	27	52	25
12.....	58	29	49	29	45	24	55	32	55	46	61	41	55	39	58	41	49	27	50	38	58	28	53	23
13.....	50	30	46	34	42	26	60	40	54	44	54	30	60	42	65	41	50	23	56	39	55	31	54	30
14.....	52	36	54	34	45	23	53	40	54	46	56	26	53	39	52	41	51	20	55	38	55	34	52	23
15.....	54	38	48	33	45	31	58	39	51	43	59	31	50	43	48	41	50	23	46	39	56	40	57	41
16.....	47	38	44	33	41	28	45	36	48	41	45	26	50	39	50	38	52	20	48	38	52	35	50	32
17.....	53	39	47	33	44	28	51	35	54	37	58	32	53	32	52	42	49	21	55	36	54	32	54	30
18.....	49	37	49	33	36	30	48	40	51	38	53	39	50	39	50	40	50	23	50	39	51	38	53	29
19.....	49	32	48	34	37	24	49	34	49	36	54	26	49	34	49	38	52	20	48	33	53	33	49	31
20.....	48	27	53	26	28	26	54	28	55	33	59	18	57	29	52	35	50	21	55	27	52	30	50	30
21.....	57	32	59	28	45	19	57	26	59	36	65	20	64	30	61	35	52	16	63	27	57	26	55	19
22.....	63	38	63	32	54	24	61	33	62	38	63	21	65	30	66	39	63	20	68	30	64	29	64	21
23.....	63	43	64	35	56	26	61	35	56	39	52	26	56	36	56	38	60	23	61	34	63	32	64	23
24.....	49	40	58	37	48	32	54	38	53	40	63	41	54	39	55	39	61	23	52	36	60	36	65	44
25.....	60	40	63	31	54	30	60	31	56	38	65	25	63	31	67	37	63	20	63	34	64	32	68	30
26.....	68	44	65	37	55	28	68	35	53	40	71	27	55	44	69	40	64	20	70	36	71	34	65	27
27.....	70	45	63	37	60	31	64	40	53	40	74	31	52	44	51	45	60	23	59	41	66	42	69	34
28.....	55	42	56	36	59	31	55	39	51	47	62	45	51	44	54	43	62	24	56	41	58	47	68	27
29.....	55	39	50	35	41	29	54	35	51	41	62	39	52	41	55	42	61	23	52	40	60	37	57	29
30.....	60	35	58	34	49	34	59	37	55	37	65	35	57	32	63	34	60	24	63	39	65	36	61	37
31.....	69	40	67	38	58	27	67	37	64	43	72	25	64	32	71	40	60	28	72	36	70	32	69	28
Means.....	50.7	34.2	52.9	32.2	43.9	25.5	54.7	34.4	53.0	40.0	55.5	28.8	55.0	35.5	54.5	38.2	53.5	22.0	55.1	35.3	54.6	33.2	53.7	28.5

^a, ^b, ^c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

Data are from standard instruments not supplied by the U. S. Weather Bureau.

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.